## BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Divisi
B.B.M.P., Bangalore - 5

### DRAFT TENDER SCHEDULE

**Maintenance of BBMP Drilled Borewells in Ward No. 10 (Doddabommasandra), Vidyaranyap Division.**

| Sl. No. | Quantity. | Description | Unit | Rates | |
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| | | | | In Figures | In W |
| 1 | 25 | Lifting of Submersible pump set as per Soecification and direction etc., complete and as per the directions of the Engineer-in-charge of the work | Each | 850 | |
| 2 | 25 | Transportation of pumping machineries etc., complete and as per the directions of the Engineer-in-charge of the work | Each | 900 | |
| 3 | 25 | Labour charges (over hauling) etc., complete and as per the directions of the Engineer-in-charge of the work | Job | 550 | |
| 4 | 25 | A) Repairs to Motor. Rewinding of submersible pump sets with copper insulation wire of suitable gauge as per ISI specification with guarantee of 6 months (Above 10 HP upto 20 HP add Rs.150/- for every ◆ HP) etc., complete and as per the directions of the Engineer-in-charge of the work | Job | 4750 | |
| 5 | 25 | Starter (with one year Guarantee) etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 5050 | |
| 6 | 25 | Rotor (with one year Guarantee) etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 4700 | |
| 7 | 25 | Upper Flange etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 350 | |
| 8 | 25 | Lower Housing etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 650 | |
| 9 | 25 | Carbon Housing etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 475 | |
| 10 | 25 | Thrust bearing block assembly complete with Segment bearing pad etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 1150 | |
| 11 | 25 | Oil Seal etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 125 | |
| 12 | 25 | Oil Seal Steel Bush etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 150 | |
| 13 | 350 | Guide vane etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 175 | |
| 14 | 350 | Impeller Shell moulded with aluminium Bronze) etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 425 | |
| 15 | 25 | Discharge outlet (D.O) Bearing D.O Steel Bush etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 445 | |
| 16 | 25 | Steel Bush etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 150 | |
| 17 | 25 | Pump shaft made out of stainless steel Centreless ground with key way (upto 8 stages) etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 950 | |
| 18 | 25 | Non – return valve (NRV) assembly complete with rubber 'O' Ring etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 1350 | |
| 19 | 25 | Cable Guard etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 150 | |
| 20 | 25 | Brass Filter etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 250 | |

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| 21 | 25 | Re-erection charges of pumping machineries including overhauling and pointing etc., complete and as per the directions of the Engineer-in-charge of the work | Each | 950 | |
| 22 | 100 | Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark etc., complete and as per the directions of the Engineer-in-charge of the work | Rmtr | 375 | |
| 23 | 25 | Heavy Duty Collar 50 mm dia etc., complete and as per the directions of the Engineer-in-charge of the work | Nos | 130 | |
| 24 | 350 | Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto etc., complete and as per the directions of the Engineer-in-charge of the work | Mtr | 151 | |
| 25 | 60 | Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.P No. 68/ I No. 4(d) 4 core 16 Sqmm etc., complete and as per the directions of the Engineer-in-charge of the work | Mtr | 150 | |
| 26 | 60 | Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, P No. 69 / I No. Ia In existing trencg/duct 6Sqmm to 16 Sqmm) etc., complete and as per the directions of the Engineer-in-charge of the work | Mtr | 8 | |
| 27 | 50 | Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete (as per Civil SR KSRB 1-2 P-7) etc., complete and as per the directions of the Engineer-in-charge of the work | Mtr | 60 | |
| 28 | 32 | Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class etc., complete and as per the directions of the Engineer-in-charge of the work | Mtr | 240 | |
| 29 | 8 | Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 260 | |
| 30 | 3 | Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, etc., complete and as per the directions of the Engineer-in-charge of the work | No | 1950 | |
| 31 | 12 | Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete and as per the directions of the Engineer-in-charge of the work | No. | 100 | |
| 32 | 3 | KSRB 13-7.1-4: Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads etc., complete and as per the directions of the Engineer-in-charge of the work | Nos | 1114.06 | |
| 33 | 3 | Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spotetc., complete and as per the directions of the Engineer-in-charge of the work | No | 201.4 | |

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| 34 | 12 | Supplying and fixing 50mm dia GI X nipple with ISI mark with all lead and lift loading unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work | No | 80 | |
| 35 | 3 | Supplying shunt capaitors conforming to IS 2834, 3phase 400/440 volts grade for power factor Improvement of rotating machinery, Capacitor in KVAR rating Nos. 2KVAR capacity with all lead and lift =, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work | No | 350 | |
| 36 | 3 | Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work | No | 1000 | |
| 37 | 23400 | Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm @ Rs.0.33 etc., complete and as per the directions of the Engineer-in-charge of the work | Sq.Cm | 0.33 | |
| 38 | 60.75 | Earthwork excavation for pipeline trenches including deporiting or bank up to a lead of 50 mtrs including shiriry and statting danger lighting and using site rails and boming poles at every 100 mtrs wherever necessary as directed in th following strructure manhole. etc., complete and as per the directions of the Engineer-in-charge of the work | Cum | 188 | |
| 39 | 180 | Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation etc., complete and as per the directions of the Engineer-in-charge of the work | Rmtr | 157 | |
| 40 | 60.75 | Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs etc., complete and as per the directions of the Engineer-in-charge of the work | Cum | 61 | |
| 41 | 5 | Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials, labour and HOM of equipments etc., complete and as per the directions of the Engineer-in-charge of the work | Each | 1582.58 | |

**Signture of the Contractor**

**Executive Engine**
**Byatarayanapura Div**
**BBMP, Bangalore -**

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ಪಟ್ಟಣಪಾಲಿಕೆ/ಇಲ್ಲದೆ
ಅಧಿಕಾರಿಯವರಿಗೆ ಧನ್ಯವಾದಗಳೊಂದಿಗೆ

Superintending Engineer
Yelahanka Zone
BBMP, Bangalore